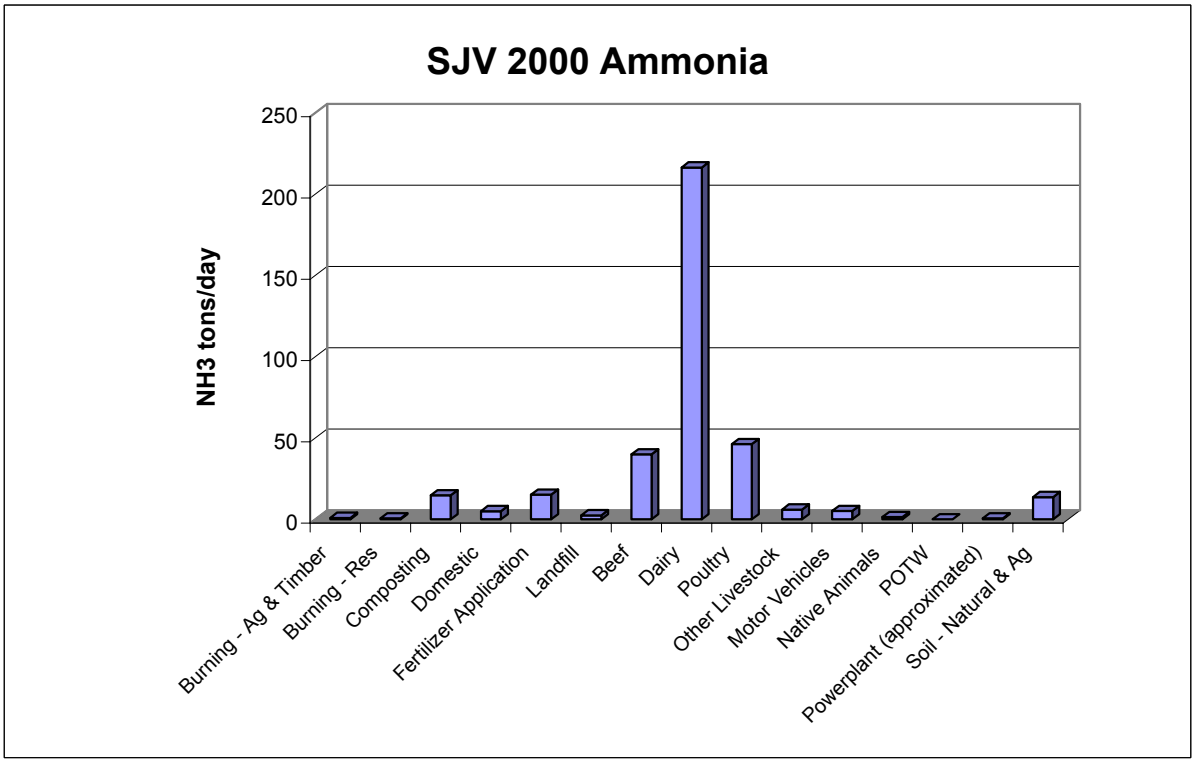
Year 2000 Ammonia Emission Inventory
for the San Joaquin Valley Unified Air Pollution Control District

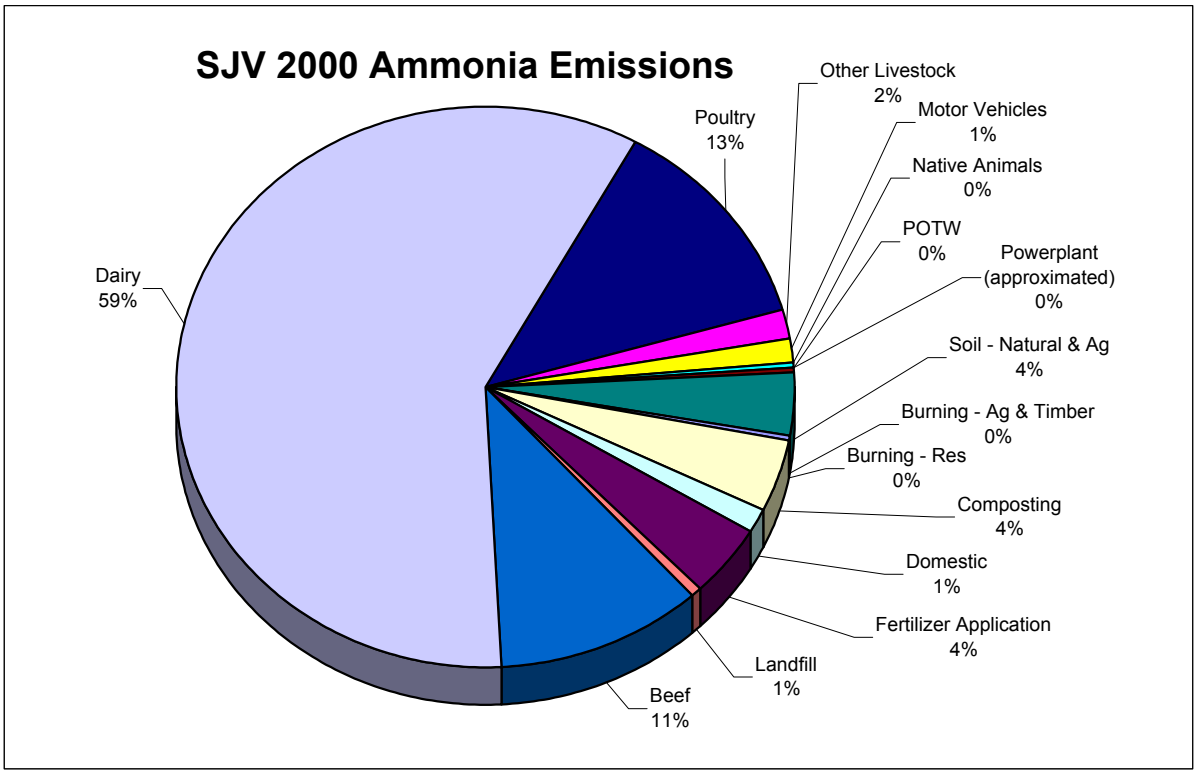
Charts Provided Below

Source Category	NH3 tons/year	NH3 tons/day	NH3 Percent
Burning - Ag & Timber	341	0.93	0.3%
Burning - Res	214	0.59	0.2%
Composting	5,409	14.82	4.0%
Domestic	1,844	5.05	1.4%
Fertilizer Application	5,570	15.26	4.1%
Landfill	917	2.51	0.7%
Beef	14,610	40.03	10.9%
Dairy	78,997	216.43	58.7%
Poultry	16,889	46.27	12.5%
Other Livestock	2,208	6.05	1.6%
Motor Vehicles	1,871	5.13	1.4%
Native Animals	509	1.40	0.4%
POTW	7	0.02	0.0%
Powerplant (approximated)	203	0.56	0.2%
Soil - Natural & Ag	5,001	13.70	3.7%
	134,590	**368.74**	100.0%

Primary data developed from:
California Regional PM10/PM2.5 Air Quality Study
Ammonia Emission Improvement Projects in Support of CRPAQS
Aerosol Modeling and Data Analyses:
Draft Ammonia Inventory Development
ENVIRON International Corporation, September 6, 2002
Contract Manager: Vernon Hughes, PTSD
Data analysis and display by: Patrick Gaffney, PTSD
June 4, 2003

Powerplant emissions were not estimated in the ENVIRON report, and are approximated. Powerplants reporting ammonia in ARB's emissions database show that ammonia emissions are about 4% of NOx emissions. SJV ammonia emissions for powerplants were approximated as 4% of reported electric utility and cogeneration NOx emissions (about 14 tons/day).


SJV 2000 Ammonia
NH3 tons/day
250
200
150
100
50
0
Burning - Ag & Timber
Burning - Res
Composting
Domestic
Fertilizer Application
Landfill
Beef
Dairy
Poultry
Other Livestock
Motor Vehicles
Native Animals
POTW
Powerplant (approximated)
Soil - Natural & Ag


SJV 2000 Ammonia Emissions
Other Livestock 2%
Motor Vehicles 1%
Native Animals 0%
POTW 0%
Powerplant (approximated) 0%
Soil - Natural & Ag 4%
Burning - Ag & Timber 0%
Burning - Res 0%
Composting 4%
Domestic 1%
Fertilizer Application 4%
Landfill 1%
Beef 11%
Dairy 59%
Poultry 13%